

Modified Enlarged 18pt

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

Monday 18 January 2021 – Morning

Level 3 Cambridge Technical in Applied Science

05848/05849/05874

Unit 3: Scientific analysis and reporting

Time allowed: 2 hours plus your additional time allowance

Insert

Please write clearly in black ink.

Centre number

Candidate number

First name(s)

Last name

Date of birth

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FIG. 1.5

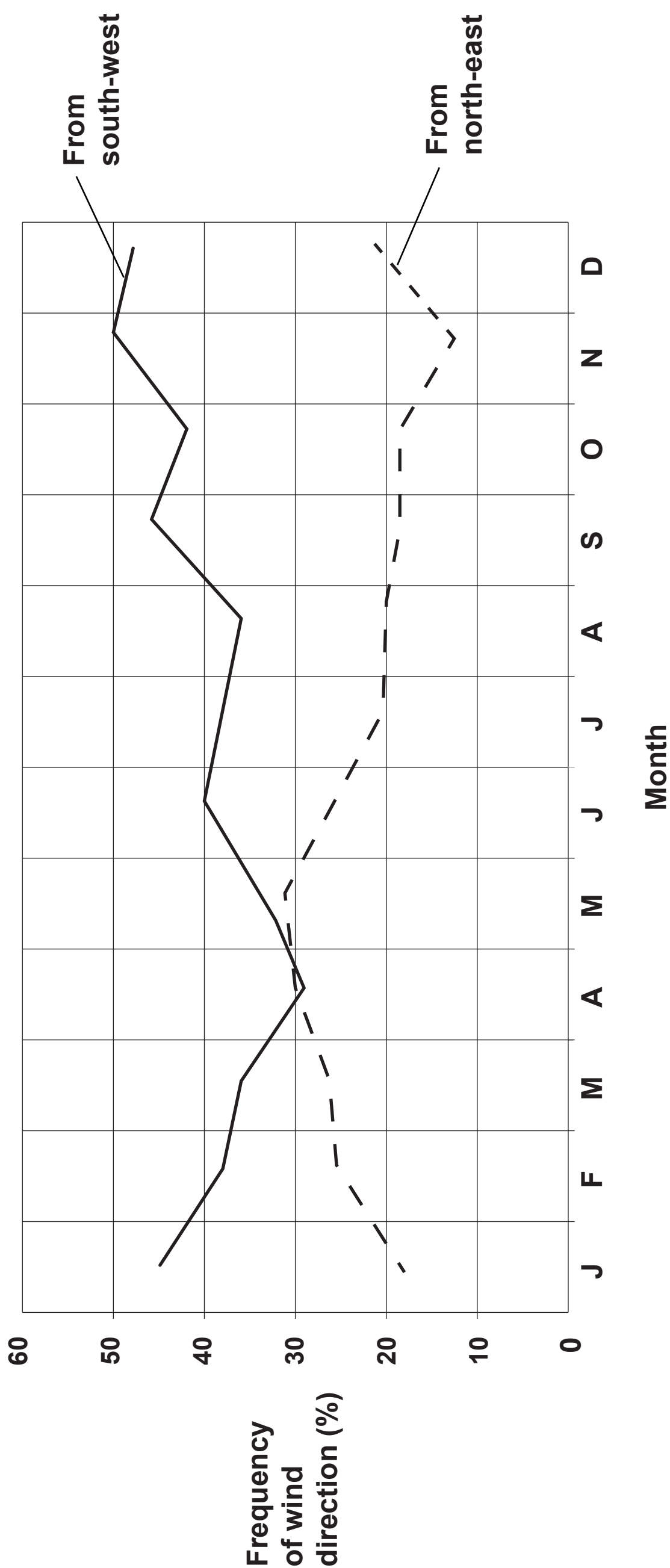


FIG. 2.1

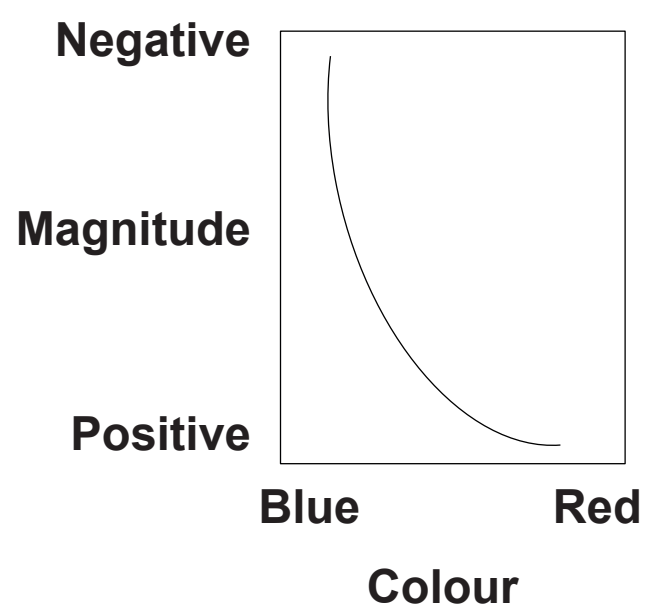
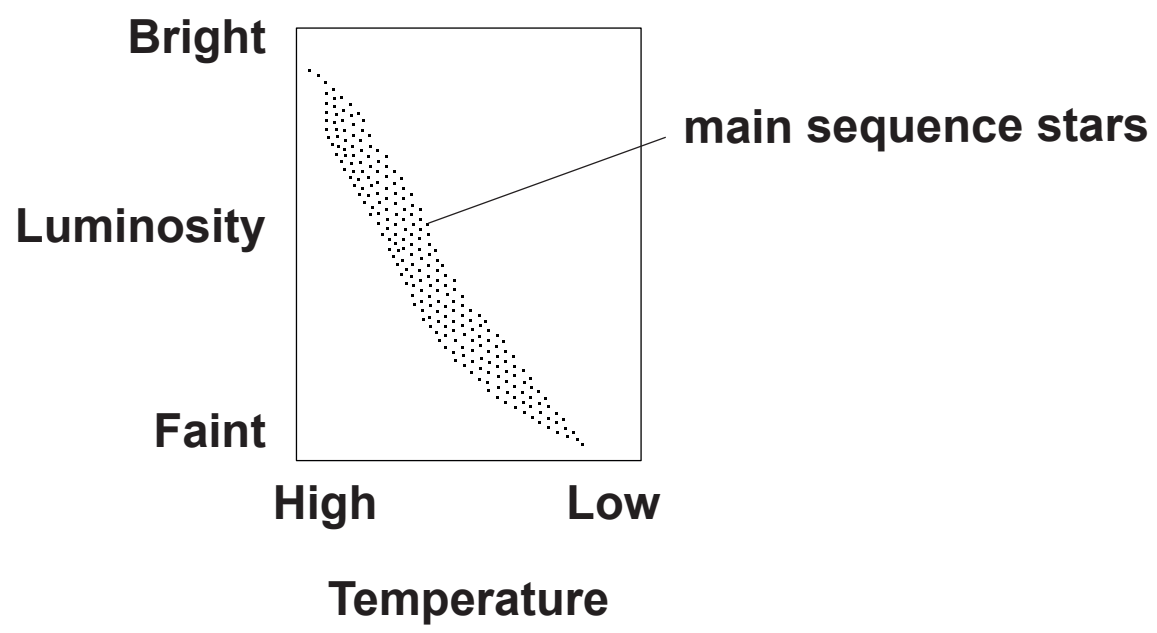
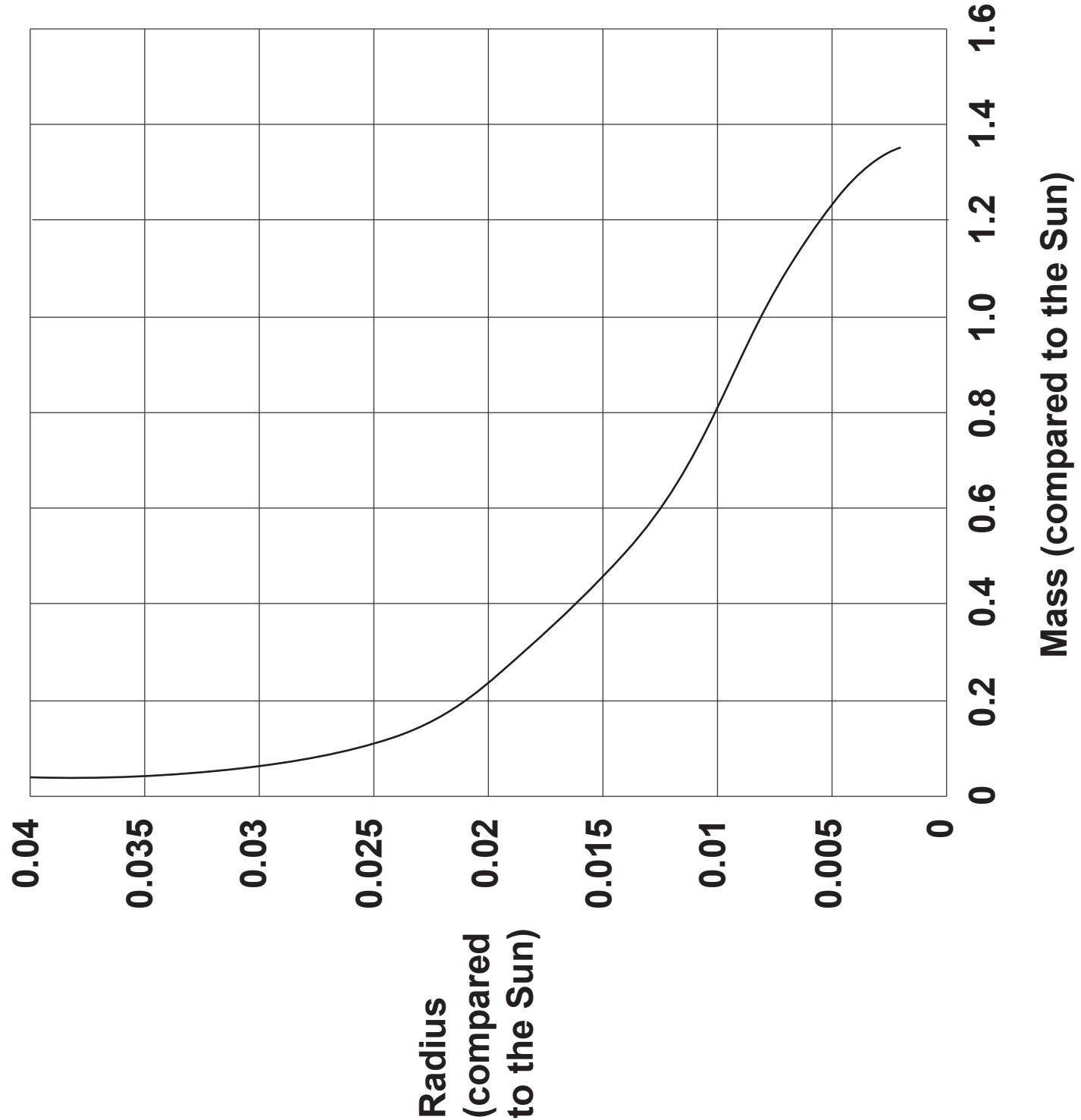
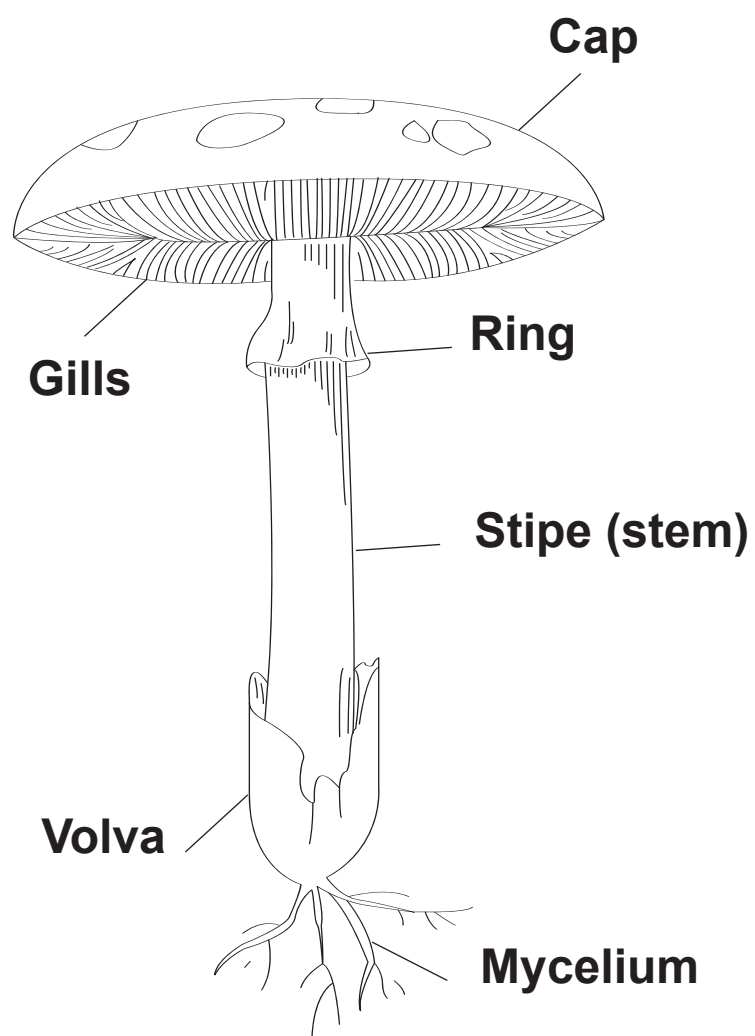


FIG. 2.2



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FIG. 3.1

The attachment of each gill to the stipe (stem) of a fungus is called the hymenium. There are different types of hymenium, as shown in TABLE 3.1 opposite.

TABLE 3.1

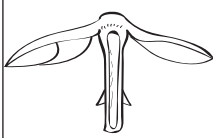
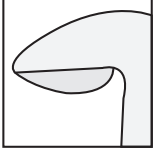
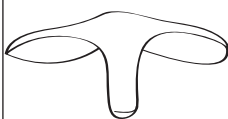


Hymenium			Description
		free	gills do not reach the stipe (stem)
		adnexed	gills are narrowly attached to the stipe (stem)
		sinuate	gills curve back down the stipe (stem) before attaching
		adnate	gills are broadly attached to the stipe (stem)
		subdecurrent	gill extends down slightly just as it reaches the stipe (stem)
		decurrent	the whole gill extends down the stipe (stem)

TABLE 3.2

Fungus name	Habitat	Features		
		Stipe (stem)	Spores	Hymenium
<i>Amanitopsis vaginata</i>	grassland	volva	white	free
<i>Entoloma cetratum</i>	woodland	free	pink	sinuate
<i>Galerina marginata</i>	on wood	ring	brown	adnexed
<i>Lepiota procera</i>	grassland	ring	white	free
<i>Paxillus involutus</i>	woodland	free	brown	decurrent
<i>Pholiota squarosa</i>	woodland	ring	brown	adnate
<i>Pleurotus ostreatus</i>	on wood	free	white	decurrent
<i>Pluteus cervinus</i>	on wood	free	pink	free
<i>Tricholoma gambosum</i>	grassland	free	white	sinuate
<i>Volvariella speciosa</i>	grassland	volva	pink	free

FIG. 3.2

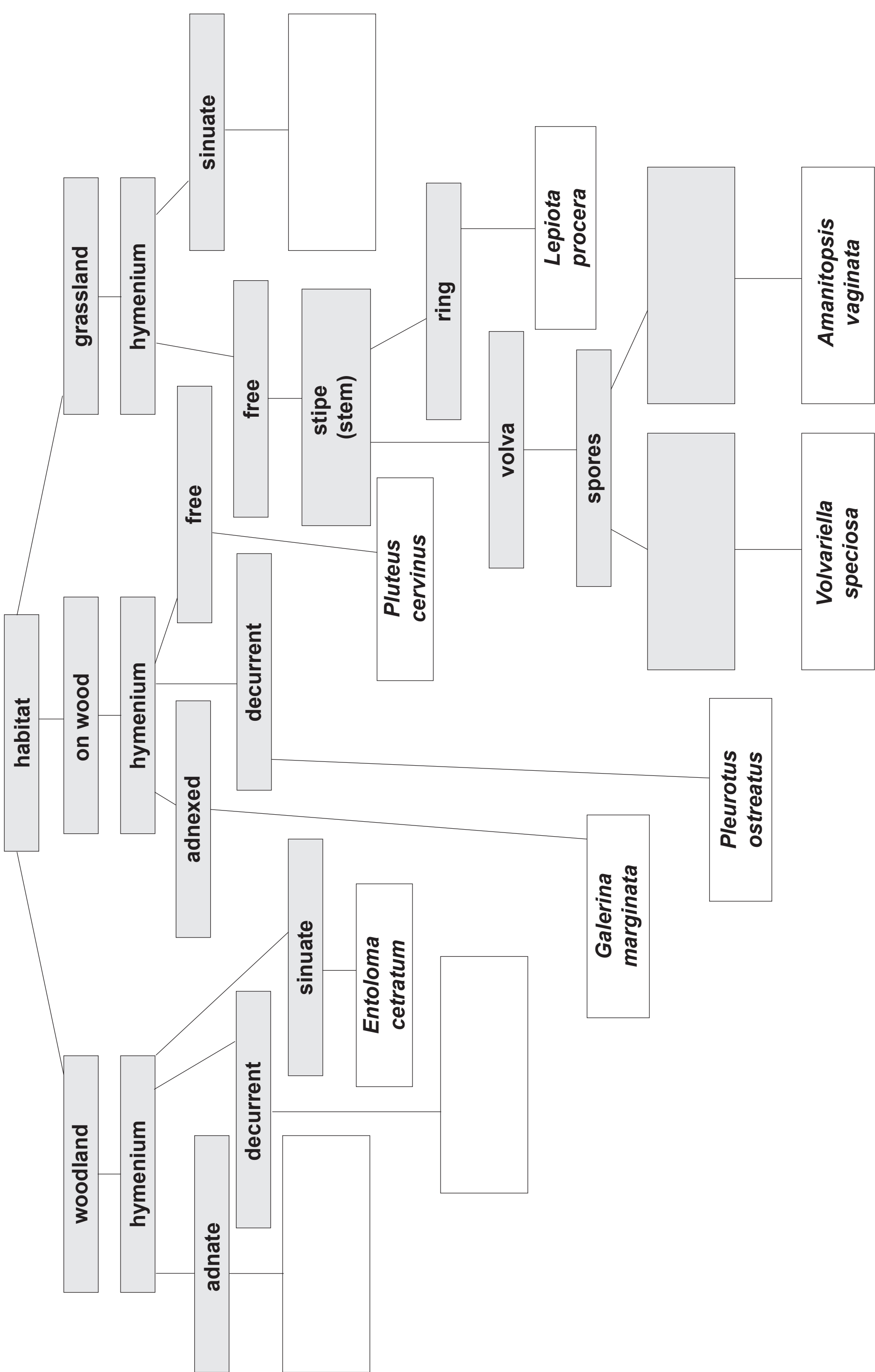


FIG. 5.2

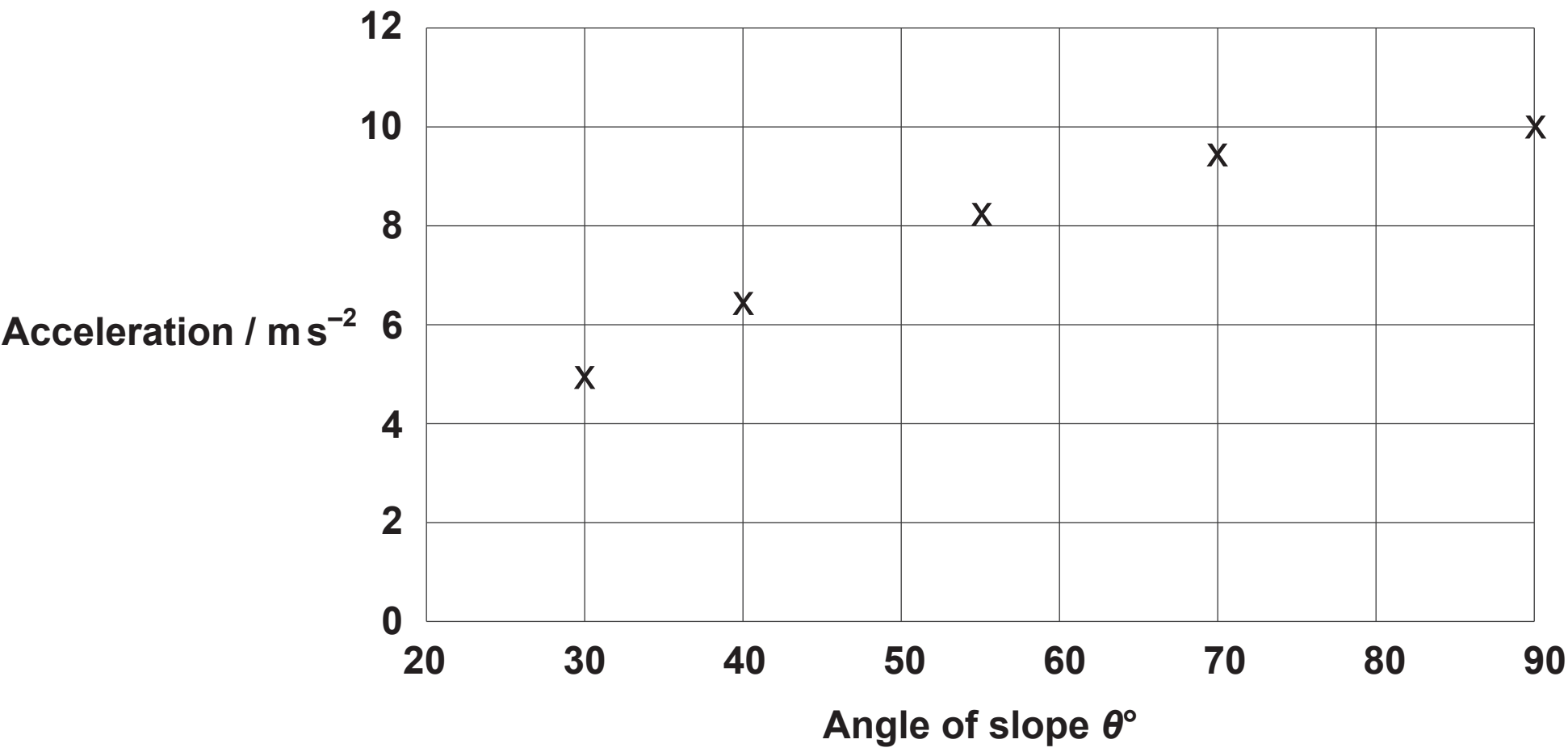
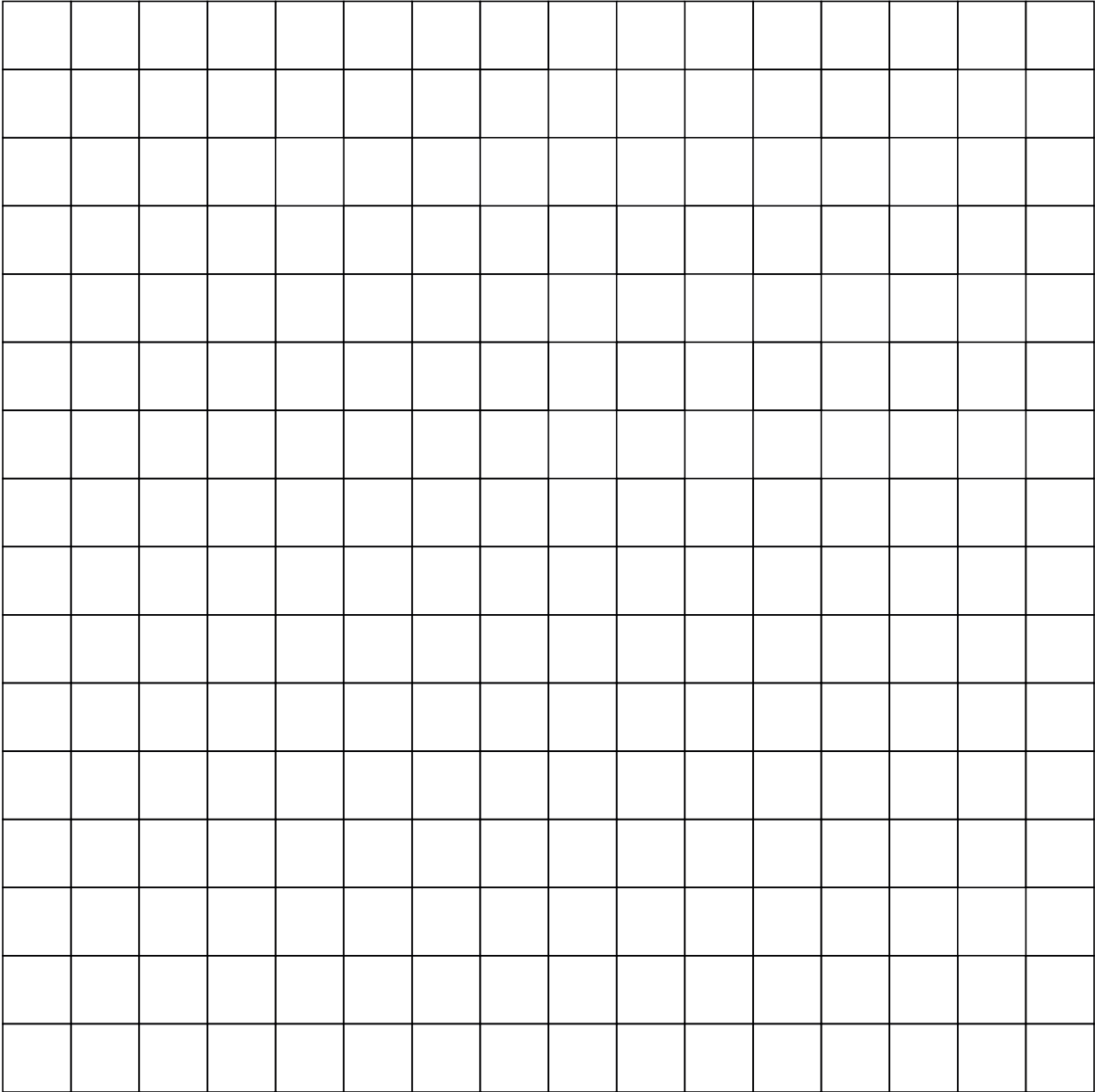


FIG. 6.1





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